

ANALYSIS AND SIMULATION OF HANDOFF
SCENARIO FOR WIRELESS COMMUNICATION
NETWORK

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UNIVERSITITEKNOLOGI MARA

DARUL RIDZUAN BIN MUHAMAD HALIB
Faculty of Electrical Engineering
UNIVERSITI TEKNOLOGI MARA
40450 SHAH ALAM
SELANGOR DARUL EHSAN
MALAYSIA

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ABSTRACT

This project presents an overview of the handoff scenario for wireless communication network. Handoff is an essential element of wireless communications. Efficient handoff algorithms are a cost-effective way of enhancing the capacity and QoS of wireless systems.

This project presents different aspects of handoff and discusses handoff related features of cellular systems. It involved a brief study of the various parameters affecting the handoff procedure. It includes a Matlab implementation of the received power (with gaussian noise) versus the distance in the soft handoff case for a mobile moving between two base stations separated by distance d , along a straight line with fixed velocity.

This project report also presents the analysis of handoff for real data from the cellular network provider. The analysis made also for a mobile moving between two base stations with fixed velocity.

TABLE OF CONTENTS

CHAPTER	PAGE
DECLARATION	iii
ACKNOWLEDGEMENT	iv
ABSTRACT	v
TABLE OF CONTENTS	vi
LIST OF FIGURES	ix
LIST OF TABLES	x
LIST OF ABBREVIATIONS	xi
CHAPTER 1	
INTRODUCTION	
1.1 Introduction	1
1.2 Objective	2
1.3 Methodology	3
CHAPTER 2	
HANDOFF IN WIRELESS MOBILE NETWORKS	
2.1 Overview of Handoff in Mobile Networks	5
2.2 Types of Handoffs	6
2.2.1 Idle Handoff	6
2.2.2 Traffic Handoffs	7
2.2.3 Hard Handoff	7
2.2.4 Soft Handoff	9
2.3 Objectives of handoff	12

CHAPTER 3

ANALYSIS OF HANDOFF PERFORMANCE

3.1 Idle Handoff in Mobile Systems	14
3.2 Traffic Model	18
3.2.1 El-Dolil et al.'s Traffic Model (One-Dimensional)	18
3.2.3 Steele and Nofal's Traffic Model (Two-Dimensional)	19
3.2.4 Zeng et al.'s Approximated Traffic Model (Any Dimensional)	20
3.3 Hard Handoff	21
3.3.1 Handoff Detection Algorithms	21
3.3.2 Hysteresis and the "Ping-Pong" Effect	27
3.4 Soft handoff.	29
3.4.1 Soft Handoff (Forward Link)	30
3.4.2 Soft Handoff (Reverse Link)	30
3.4.3 Softer Handoff (Reverse Link)	30
3.5 Benefit of Soft Handoff	31

CHAPTER 4

HANDOFF IN CELLULAR NETWORK

4.1 Types of cellular structures	33
4.1.1 Macrocells	33
4.1.2 Microcells	34
4.1.2.1 Cell plan in microcells	36
4.1.3 Macrocell/Microcell Overlays	38
4.2 Handoff Protocols	39
4.2.1 Network-Controlled Handoff	39
4.2.2 Mobile-Assisted Handoff	40
4.2.3 SHO Handoff	41
4.2.4 Mobile-Controlled Handoff	41